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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,932	03/08/2007	Joseph W. Twarog JR.	DN1-0024	6138
23413 CANTOR COL	7590 01/07/201 BURN LLP	EXAMINER		
20 Church Stree	et	BERGIN, JAMES S		
22nd Floor Hartford, CT 06103			ART UNIT	PAPER NUMBER
			3641	
			NOTIFICATION DATE	DELIVERY MODE
			01/07/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptopatentmail@cantorcolburn.com

	Application No.	Applicant(s)				
Office Astion Comments	10/553,932	TWAROG ET AL.				
Office Action Summary	Examiner	Art Unit				
	JAMES S. BERGIN	3641				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) ☐ Responsive to communication(s) filed on 21 C	ctober 2010.					
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<i>'</i>	/ 					
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-27 are subject to restriction and/or election requirement. 						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s) Muli Date S. Patent and Trademark Office	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	te				

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Election/Restrictions

- 1. Applicant's election with traverse of Group I, claims 1-9 in the reply filed on 10/21/2010 is acknowledged. The traversal is on the ground(s) that "The Examiner contends that the inventions listed as Groups I VI do not relate to a single inventive concept under PCT Rule 13.1 because the shared technical feature of each of the claims is a reactive polymer material used as a timing element. The Examiner further contends that this feature is not novel or unobvious over the prior art at least in view of the combination of Knowlton et al. (2002/0035945 A1) in view of Manzara (U.S. 5,681,904) and/or Arpin et al. (U.S. 5,945,627) and/or Shilliday et al. (U.S. 6,886,469 B2)" and that; "the reactive polymeric material timer element as defined in Applicants' claims 1-27 is a novel, unobvious and unifying single inventive concept". In view of these arguments, the examiner withdraws the 9/16/2010 restriction 9/16/2010 and replaces it with the following revised restriction requirement.
- 2. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-9, drawn to a timing element comprising a delay composition in a sheath, the delay composition comprising a reactive polymer material.

Group II, claim(s) 10-18, drawn to a method of making a timing element comprising a reactive polymeric material in a sleeve.

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Group III, claim(s) 19-21, drawn to an initiator comprising a timing element, the timing element comprising a reactive polymeric material.

Group IV, claim(s) 22-24, drawn to a method of making a delay initiator comprising a reactive resin

Group V, claims(s) 25-27, drawn to a method of making a delay initiator comprising a reactive polymeric material.

Group VI, claim 27, drawn to a segment of reactive polymeric material.

- 3. The inventions listed as Groups I-VI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the shared special technical feature of an element comprising a reactive polymer material capable of being used as a timing element does not amount to a special technical feature that is novel or unobvious over the prior art at least as evidenced by Manzarea (US 5,681,904) and Shilliday et al. (US 6,886,469 B2). (Refer to the IPER submitted as part of the 2/24/2010 IDS). The element of independent claim 1 and the element produced by the method of independent claim 10, could inherently be used for many different purposes that require a reactive polymer capable of burning at a known rate. As such at least Shilliday et al. (US 6,886,469 B2) and Manzarea (US 5,681,904) disclose a gap composition that inherently has a known burn rate and that could inherently be used as a delay composition in any number of potential applications. Therefore unity of invention does not exist between the groups. To search and examine all the inventions would place an excessive burden on the examiner.
- 4. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

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- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES S. BERGIN whose telephone number is (571)272-6872. The examiner can normally be reached on Monday Wednesday and Friday, 8.30 5.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 571-272-6873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/James S. Bergin/ Primary Examiner, Art Unit 3641